

FIGURE 1

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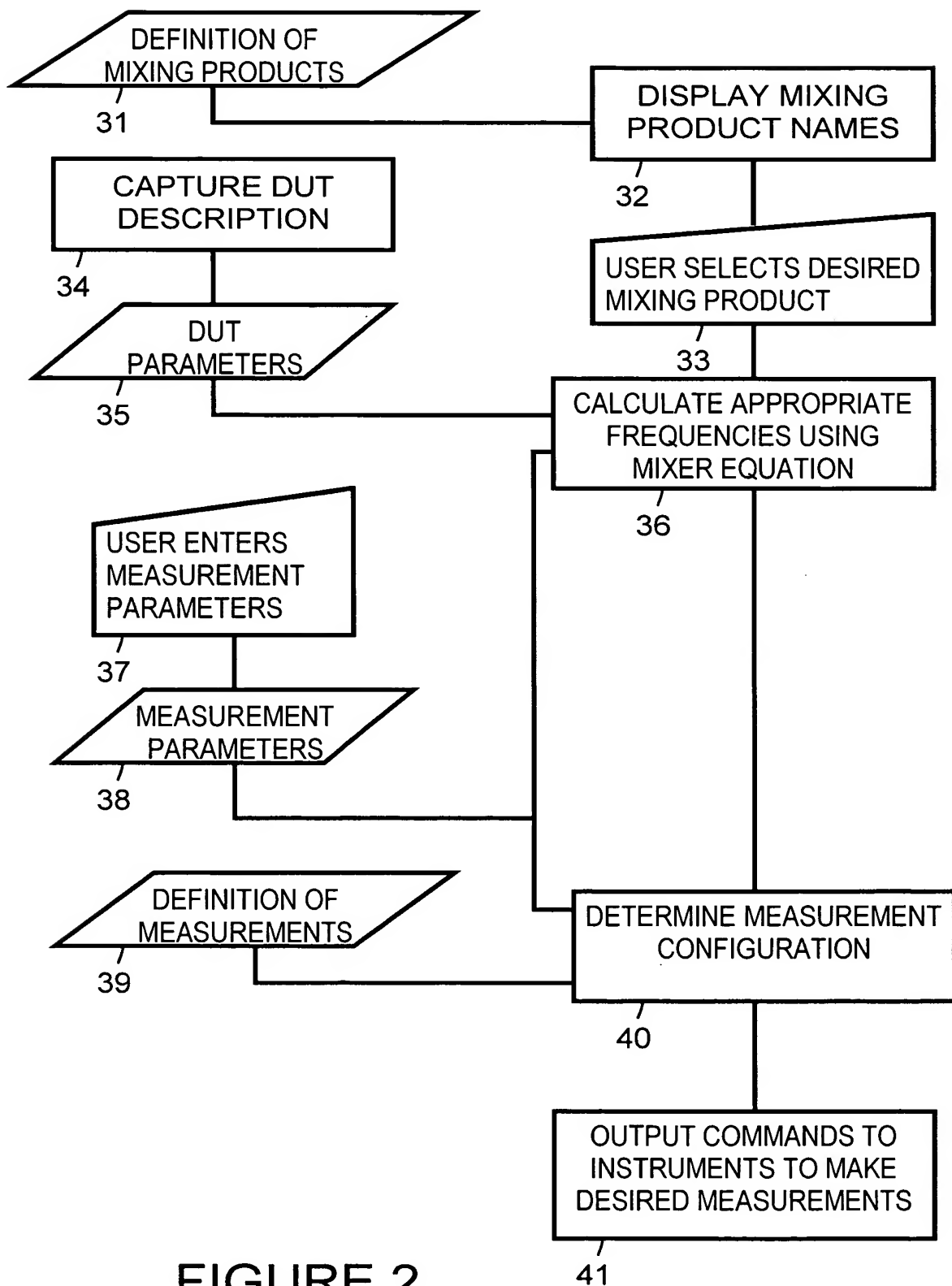


FIGURE 2

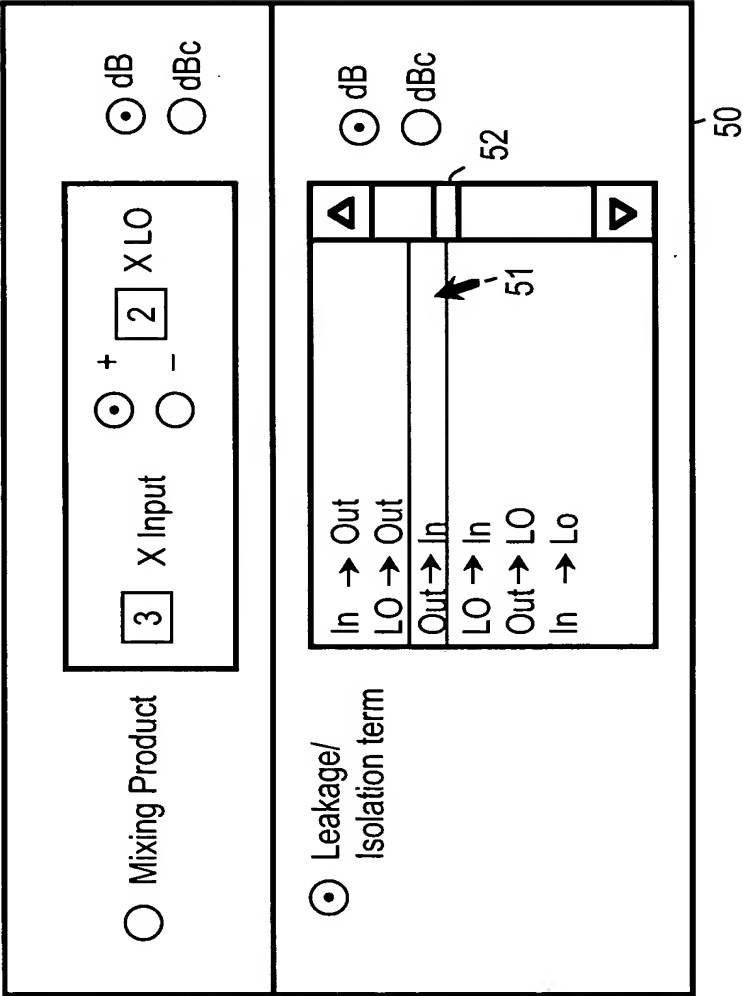


FIGURE 3

Figure 10 shows the Channel Setup screen. The 'Response' section is set to 'Mixing Product' (3) X Input, with a frequency of 3.45600000 MHz to 5.64200000. The 'Leakage/Isolation term' section is set to 'In -> Out' (LO -> Out, Out -> In, LO -> In, Out -> LO, In -> LO). The 'Marker Function' is 'Max Peak'. The 'Create in Channel' is '8'. The 'Add' button is at the bottom left. The 'Remove' button is at the bottom right. The 'OK' and 'Cancel' buttons are at the bottom right. The 'dB' and 'dBc' units are at the bottom right. The '151' and '152' labels are at the bottom right.

FIGURE 4

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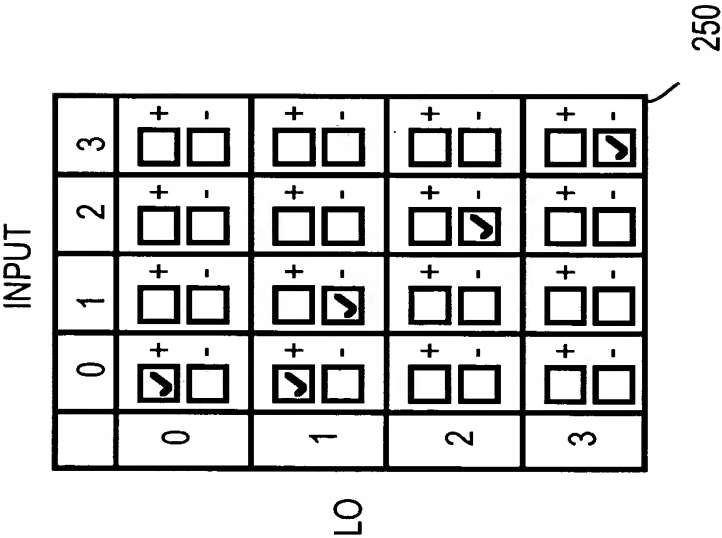


FIGURE 5

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MIXER SETUP

131

Input

-17.000 dBm

Start/Stop

6.435678730 GHz

Calculate IF & Output

132

LO1

836XX Source

1.000 dBm

Fixed

9.834773200 GHz

Calculate In & Output

133

IF =

1

X Input +/-

1

Start/Stop

16.27045193 GHz

3.399094470 GHz

134

LO2

My Source

9.000 dBm

Fixed

8.544234017 GHz

Calculate Input & IF

135

Output =

1

X Input +/-

1

Start/Stop

24.81468594 GHz

7.726217913 GHz

136

Hide Diagrams

LOs: ☐ 1 ☐ 2 ☐ 3 ☐ 4

Load

Save...

Apply

OK

Cancel

Help

137

Input

Start: 3.543223416 GHz

Stop: 6.435678730 GHz

Power: -17.000 dBm

Configure

$\times \frac{1}{1}$

$\times \frac{1}{1}$

$\times \frac{1}{1}$

In + LO

\times

In + LO

$\times \frac{1}{1}$

$\times \frac{1}{1}$

$\times \frac{1}{1}$

Start: 13.37799661 GHz

Stop: 16.27045193 GHz

Start: 21.92223063 GHz

Stop: 24.81468594 GHz

LO1

Start: 9.834773200 GHz

Stop: 9.834773200 GHz

Power: 1.000 dBm

Configure

LO2

Start: 8.544234017 GHz

Stop: 8.544234017 GHz

Power: 9.000 dBm

Configure

Output

138

139

140

141

142

130

FIGURE 6

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Sweep Type	Start/Stop ▼		
Input	Start Frequency 0.000000000 MHz	Stop Frequency 0.000000000 MHz	Power -10.000 dB
LO	3 3 X Input +	0.000000000 MHz	-10.000 dB
IFBW:	100 Hz	Number of Steps	201

60

FIGURE 7

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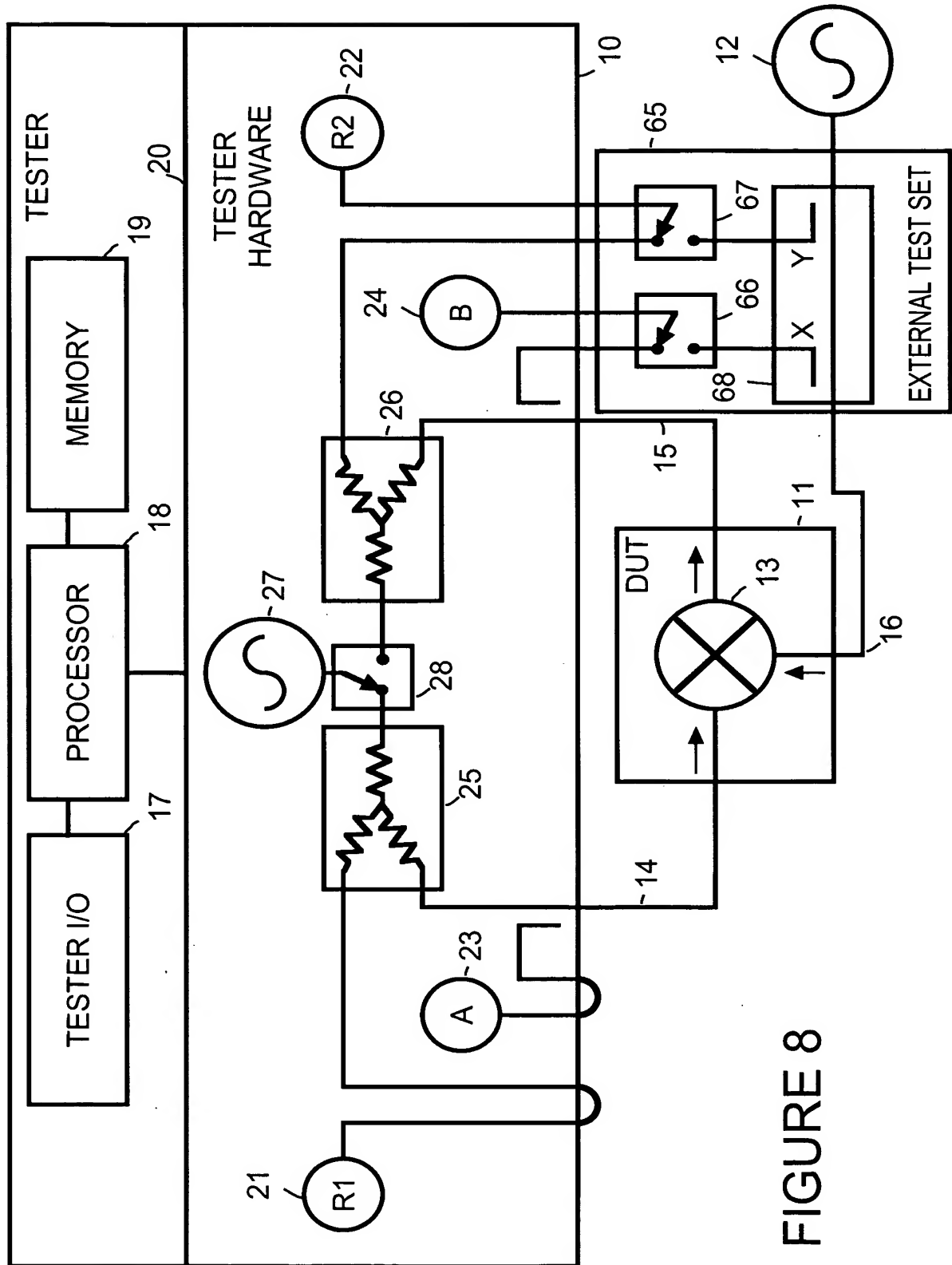


FIGURE 8